

CLAIMS

What is claimed is:

1. A water inlet/outlet structure for a ceramic shaft of a single handled faucet, including a valve housing having a valve chamber disposed at the interior thereof for a switch valve set and a valve mount to be adapted therein wherein the switch valve set made up of a control stick seat, a support seat and a switch valve is engaged with the valve mount equipped with an upper and lower switch valves; the present invention being characterized by that;

--grooved seats being disposed at the bottom peripheries of symmetrically arc hot/cold water inlet holes and a water outlet hole of the lower switch valve thereof to be registered with higher protruded walls extending at the peripheries of arc hot/cold water inlet passage and a water outlet passage of the valve mount thereof respectively wherein a lower stop wall is integrally formed outside the higher protruded walls thereof to define a channel groove there-between for a sealing ring of identical shape to be securely engaged therewith;

--thus, in assembly when the hot/cold water inlet holes and the water outlet hole of the lower switch valve are overlapped on top of the hot/cold water inlet passages and the water outlet passage of the valve mount respectively, the grooved seats thereof are precisely coupled with the higher protruded walls thereof to effect a tight seal against leakage; meanwhile, the sealing ring is pressed downwards to retain securely at the channel groove of the valve mount therein, efficiently facilitating the sealing effect of the sealing ring thereof and ensuring the precise engagement of the lower switch valve with the valve mount thereof so as to achieve the purposes of leakage-proof as well as resistance to high water pressure and impact in practical use.